

I have the degrees and 50 years of experience to confidently state the following concerns with BPL. Interference to the BPL system from outside transmitters will occur, causing problems for both parties. Nonlinear joints that occur everywhere (for example-rusty fences, downspouts and other poor electrical joints) will cause harmonic frequencies from and to the BPL system to be generated. These sources of interference are not controllable by BPL system design. Any evaluation in the field should purposely induce nonlinearities in both the BPL system and external to the system in the presence of many high power transmitting stations.

An open system would seem to also cause security concerns at a higher level than the existing less open systems.

I am opposed to further increasing the radio noise and interference problems that presently exist by approval of this BPL system.

I hope I have been of service.

Paul D. Schrader, P.E.

Ten patents

Master of Engineering (Electrical)

Master of Electrical Engineering

Bachelor of Electrical Engineering

Amateur Radio license for 50 years (Currently N4XM)

Commercial license